Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Notes Questions for the Unit 1, Part 2 Notes – Types of Selection**

Mrs. Krouse, AP Biology, 2015-2016

***Vocabulary:*** *For each of the terms listed below, fill in the definition given in the notes in the second column. There may be two alternate definitions in the notes, so you can choose one or record both of them. In the third column, rewrite the definition of the term in your own words. In the fourth column, I may provide you with a memory trick and/or ask you to break down a term into its parts to better understand its meaning.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Vocabulary Term and Synonyms** | **Definition(s) Given in the Notes** | **Definition in Your Own Words** | **Memory Trick and / or** **Breaking down the Word** |
| Stabilizing Selection |  |  | **Breaking Down the Word:** How does “stable” help clarify the meaning of this term? |
| Directional Selection |  |  | **Breaking Down the Word:** How does “direction” help clarify the meaning of this term? |
| Disruptive Selection  (AKA Diversifying Selection) |  |  | **Breaking Down the Word:** How does “disrupt” help clarify the meaning of this term? |
| Sexual Selection |  |  | N/A |
| Sexual Dimorphism |  |  | **Breaking Down the Word:** Look up the meaning of “di” and “morph.” How does this help clarify the meaning of the term? |

***Practice Questions:*** *Answer the following questions thoroughly and accurately in complete sentences.*

1. Refer to the mouse coloration example in the notes. What factor in the environment caused stabilizing selection for this trait? How did the population change over time as a result?
2. Refer to the mouse coloration example in the notes. What factor in the environment caused directional selection for this trait? How did the population change over time as a result?
3. Refer to the mouse coloration example in the notes. What factor in the environment caused disruptive selection for this trait? How did the population change over time as a result?
4. How is intersexual selection different from intrasexual selection? Look up the meanings of “inter” and “intra” and use these in your response.
5. Why does sexual dimorphism occur? Use the term sexual selection in your response, and use the gorilla example from your notes.
6. Why might male peacock feathers stop evolving to be longer once they reach a particular length?